Table 1. Two-year yield performance of cotton varieties cultivated across locations during 2013-2014.																
Variety	2013								2014							Average across locations and years
	Alexandria		Bossier City		St. Joseph		Winnsboro	2013 Total	Alexandria		Bossier City		St. Joseph	Winnsboro	2014 Total	
	Clay	Silt loam	Clay	Silt loam	Clay	Silt loam	Silt loam		Clay	Silt loam	Clay	Silt loam	Clay	Silt loam		
	Lint yield (pounds/acre)															
PX3122B51WRF	1792	1761	1454	1579	2319	1786	2634	1903	1309	1198	1639	1725	1759	1668	1547	1706
PHY333WRF	1741	1602	1370	1608	1808	1595	2439	1738	1197	1259	1789	1721	1629	1660	1535	1625
ST4946GLB2	1727	1633	1413	1260	2071	1458	2508	1724	1271	1491	1195	1488	1642	1546	1444	1619
PHY499WRF	1675	1410	1686	1750	2051	1413	2302	1755	1148	1251	1643	1712	1531	1699	1493	1610
NG1511B2RF	1595	1526	1625	1589	2035	1734	2341	1778	1206	1218	1307	1624	1400	1531	1339	1585
PHY339WRF	1578	1603	1424	1607	1929	1460	2236	1694	1432	1347	1188	1645	1438	1675	1462	1568
DP0912B2RF	1699	1575	1112	1597	2093	1517	2346	1706	1226	1379	1167	1522	1586	1711	1445	1567
ST5288B2F	1570	1403	1620	1067	2290	1656	2344	1707	1222	1286	1291	1858	1352	1622	1395	1565
DP1321B2RF	1365	1576	1282	1618	2063	1846	2250	1714	1306	1298	1234	1539	1455	1702	1431	1559
DP1311B2RF	1555	1490	1522	1344	1788	1361	2206	1609	1364	1380	1317	1575	1407	1720	1465	1529
Grand Total	1592	1524	1510	1393	1931	1395	2248	1659	1244	1273	1287	1611	1444	1601	1412	1517
FM1944GLB2	1471	1528	1457	1316	1920	1314	2117	1589	1159	1320	1391	1660	1261	1546	1390	1512
NG5315B2RF	1441	1580	1858	1622	1653	956	2061	1596	1298	1321	1361	1658	1375	1589	1433	1508
DP1137B2RF	1302	1599	1884	1445	1884	1384	2164	1666	1188	1300	1183	1492	1371	1683	1375	1504
PHY427WRF	1696	1552	1029	1138	1692	1543	1960	1516	1243	1241	1241	1749	1470	1470	1412	1459
ST6448GLB2	1513	1279	1657	940	2135	1199	2218	1563	1335	1301	1322	1292	1281	1680	1370	1456
DP1133B2RF	1439	1382	1546	1263	1774	906	2336	1524	1197	1375	1272	1598	1480	1647	1396	1444
SSGUA222	1594	1649	1160	1089	2018	1397	2273	1597	1207	1154	814	1355	1339	804	1120	1335
SSGHQ210CT	1662	1279	1098	1495	1500	1225	1857	1445	1145	1089	980	1033	1059	1001	1053	1227
Overall mean	1579	1524	1458	1406	1945	1429	2255	1657	1247	1288	1296	1572	1436	1556	1396	1521

Table 2. One-year performance of cotton varieties culitvated at six locations during 2014.							
Variety	Alexandria		Bossier City		St. Joseph	Winnsboro	Average across locations
	Clay	Silt loam	Clay	Silt loam	Clay	Silt loam	
	Lint yield (pounds/acre)						
PX49907W3RF	1339	1168	**1491**	**2034**	**1768**	**1795**	1606
PX554010WRF	**1497**	1209	1340	**2104**	**1697**	1584	1578
PHY495W3RF	1249	1124	**1505**	**1929**	**1568**	**1828**	1560
ST4747GLB2	**1461**	**1459**	1341	1703	**1508**	**1778**	1547
PX3122B51WRF	1309	1198	**1639**	1725	**1759**	**1668**	1547
PX49936W3RF	1280	1096	**1519**	**1879**	**1673**	**1731**	1543
PHY333WRF	1197	**1259**	**1789**	1721	**1629**	**1660**	1535
PX554063WRF	1321	1193	1449	1730	**1669**	**1665**	1506
PX554057WRF	1358	1249	1335	1767	**1534**	**1715**	1498
PHY499WRF	1148	**1251**	**1643**	1712	**1531**	**1699**	1493
DP1311B2RF	1364	**1380**	1317	1575	1407	**1720**	1465
PHY339WRF	**1432**	**1347**	1188	1645	1438	**1675**	1462
M12R224B2R2	**1388**	**1337**	1184	1587	**1589**	1600	1455
ST6182GLT	1075	**1257**	1412	1725		**1740**	1450
PX444413WRF	1223	1234	1198	1734	**1689**	1578	1450
DP0912B2RF	1226	**1379**	1167	1522	**1586**	**1711**	1445
ST4946GLB2	1271	**1491**	1195	1488	**1642**	1546	1444
PX37508W3RF	1190	1235	1323	1653	1492	**1652**	1443
M13R352B2R2	**1439**	**1344**	1150	1355	1407	**1842**	1439
PX37520	1163	1197	1446	1559	**1646**	1620	1438
NG5315B2RF	1298	**1321**	1361	1658	1375	1589	1433
DP1321B2RF	1306	**1298**	1234	1539	1455	**1702**	1431
DG2285	1247	**1361**	1279	1597	1467	1505	1415
DGCT14515	**1538**	**1342**	798	1639	1383	**1666**	1412
PHY427WRF	1243	1241	1241	1749	1470	1470	1412
CG3787	1217	**1341**	1292	1680	1177	**1735**	1410
PX300310WRF	1122	**1278**	1186	1654	1355	**1740**	1398
DP1133B2RF	1197	**1375**	1272	1598	1480	**1647**	1396
ST5288B2F	1222	**1286**	1291	**1858**	1352	1622	1395
FM1944GLB2	1159	**1320**	1391	1660	1261	1546	1390
ST5115GLT	1288	**1454**	1007	1549	1338	1568	1388
BX1532GLT	1071	1205	1408	1511	1365	**1745**	1383
DP1137B2RF	1188	**1300**	1183	1492	1371	**1683**	1375
BX1533GLT	1240	**1461**	1211	1401	1397	1522	1373
ST6448GLB2	1335	**1301**	1322	1292	1281	**1680**	1370
ST5032GLT	1130	**1359**	1287	1496	1402	1488	1362
BX1531GLT	1084	**1359**	1227	1416	1371	**1682**	1360
ST5289GLT	1164	**1266**	1271	1522	1276	1521	1341
NG1511B2RF	1206	1218	1307	1624	1400	1531	1339
BX1536GLT	1237	1232	1271	1434	1211	1559	1325
AllTexNitro	1080	953	1356	1555	1243	1459	1281
BX1535GLT	1159	1239	1188	1497	1213	1287	1266
DG2355	1064	1077	1075	1556	1224	1508	1256
SSGUA222	1207	1154	814	1355	1339	804	1120
SSGHQ210CT	1145	1089	980	1033	1059	1001	1053
Overall Mean	1244	1273	1287	1611	1444	1601	1412
LSD(0.05)	166	241	327	318	272	200	
C.V. (%)	11.9	16.0	20.1	17.3	16.4	10.9	
Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.							

Table 3. Yield performance and fiber characteristics of cotton varieties cultivated on a nonirrigated Latanier clay at the Dean Lee Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
DGCT14515	**1538**	46.57	1.14	**83.7**	**29.7**	7.5	8.5	4.5
PX554010WRF	**1497**	44.61	1.16	**84.1**	**30.3**	6.5	**7.8**	**3.9**
ST4747GLB2	**1461**	47.02	1.18	82.1	25.5	6.1	8.7	4.5
M13R352B2R2	**1439**	47.68	1.16	**83.3**	**30.9**	6.9	8.4	4.4
PHY339WRF	**1432**	44.54	1.16	**82.9**	28.2	7.8	**7.9**	4.1
M12R224B2R2	**1388**	44.26	1.18	**84.1**	29.0	7.0	**7.2**	4.3
DP1311B2RF	1364	47.56	1.12	82.6	27.9	**8.7**	8.7	4.6
PX554057WRF	1358	42.88	1.19	**84.2**	28.3	6.8	**7.6**	**3.9**
PX49907W3RF	1339	46.30	1.12	82.8	**29.7**	7.5	8.5	4.5
ST6448GLB2	1335	41.92	1.19	82.5	28.4	5.9	**8.1**	4.5
PX554063WRF	1321	45.04	1.17	**84.0**	29.4	7.1	**7.2**	**4.0**
PX3122B51WRF	1309	45.08	1.16	**83.4**	28.8	7.6	**7.9**	4.2
DP1321B2RF	1306	44.34	1.15	**83.4**	29.1	**8.9**	**8.0**	4.8
NG5315B2RF	1298	45.40	1.15	**83.5**	27.7	**8.8**	**7.9**	4.4
ST5115GLT	1288	44.17	1.14	82.6	29.3	7.1	**8.2**	**4.0**
PX49936W3RF	1280	46.58	1.09	82.5	27.7	**8.4**	9.6	4.2
ST4946GLB2	1271	42.91	1.12	**84.0**	28.5	7.8	**7.7**	4.5
PHY495W3RF	1249	45.52	1.11	**84.2**	**31.1**	7.9	**8.1**	4.5
DG2285	1247	42.55	1.16	**83.4**	27.9	**8.2**	**7.7**	4.5
PHY427WRF	1243	45.37	1.12	**83.5**	28.4	8.1	8.3	4.2
BX1533GLT	1240	42.39	**1.19**	82.4	**29.9**	7.4	8.9	4.3
BX1536GLT	1237	44.73	1.13	**83.4**	29.2	7.0	**7.6**	4.2
DP0912B2RF	1226	42.82	1.12	**83.3**	29.0	7.5	**8.0**	4.9
PX444413WRF	1223	46.59	**1.22**	**84.1**	27.3	7.3	**8.0**	**3.9**
ST5288B2F	1222	43.35	1.14	**83.1**	27.3	7.6	**7.9**	4.8
CG3787	1217	46.30	1.16	**83.7**	29.1	7.7	**7.7**	4.5
SSGUA222	1207	43.26	1.18	**83.5**	**30.0**	**9.1**	**7.8**	4.3
NG1511B2RF	1206	44.41	1.14	**83.8**	**29.5**	**8.3**	**7.7**	4.6
DP1133B2RF	1197	45.90	1.15	**83.7**	**29.9**	7.9	**7.6**	4.6
PHY333WRF	1197	44.18	1.16	82.7	26.4	7.5	8.3	4.1
PX37508W3RF	1190	44.28	1.12	**83.2**	27.9	6.6	8.5	4.1
DP1137B2RF	1188	44.76	1.13	**83.1**	28.6	**8.3**	**7.8**	4.5
ST5289GLT	1164	42.58	1.13	82.2	27.0	6.8	8.9	4.4
PX37520	1163	42.83	1.12	82.5	26.0	**8.2**	9.3	4.2
BX1535GLT	1159	42.05	**1.21**	82.5	28.0	6.6	**8.1**	**3.9**
FM1944GLB2	1159	40.88	**1.20**	**83.4**	29.1	5.5	**7.9**	4.3
PHY499WRF	1148	45.48	1.14	**83.9**	29.5	7.8	**7.9**	4.5
SSGHQ210CT	1145	42.15	1.12	**83.1**	29.5	6.4	8.3	4.8
ST5032GLT	1130	41.22	1.16	82.4	28.8	8.0	8.9	**3.9**
PX300310WRF	1122	44.12	1.10	82.6	27.5	**8.4**	9.2	4.4
BX1531GLT	1084	46.68	1.12	**82.9**	27.6	7.4	9.2	4.4
AllTexNitro	1080	42.01	**1.19**	**83.5**	**29.9**	7.2	**7.8**	**3.8**
ST6182GLT	1075	**48.81**	1.12	82.7	27.6	7.4	**8.2**	4.5
BX1532GLT	1071	**49.29**	1.14	82.3	26.9	7.1	8.7	4.3
DG2355	1064	40.63	1.13	**83.1**	28.5	7.8	8.5	4.3
Overall Mean	1244	44.49	1.15	83.2	28.6	7.5	8.1	4.3
LSD(0.05)	166	1.15	0.03	1.3	1.6	1.0	1.1	0.2
C.V.(%)	11.9	2.3	2.1	1.1	4	9.2	9.7	4.1

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.

Table 4. Yield performance and fiber characteristics of cotton varieties cultivated on a nonirrigated Coushatta silt loam at the Dean Lee Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
ST4946GLB2	**1491**	42.39	1.14	**83.4**	**30.0**	8.1	**7.9**	4.3
BX1533GLT	**1461**	41.93	**1.20**	**83.0**	**30.2**	7.7	**8.0**	4.1
ST4747GLB2	**1459**	43.71	**1.19**	82.6	26.6	6.3	8.4	4.3
ST5115GLT	**1454**	41.96	1.10	81.3	**29.2**	7.7	9.9	4.1
DP1311B2RF	**1380**	46.67	1.13	**83.1**	26.6	**8.9**	8.8	4.3
DP0912B2RF	**1379**	42.72	1.09	**83.4**	28.2	**8.1**	**7.8**	4.9
DP1133B2RF	**1375**	46.28	1.14	**83.7**	**30.8**	7.6	**7.9**	4.5
DG2285	**1361**	43.44	1.14	**83.0**	27.8	**8.8**	**8.2**	4.3
BX1531GLT	**1359**	47.28	1.12	82.7	27.7	7.9	8.8	4.4
ST5032GLT	**1359**	41.85	1.18	**83.1**	28.7	8.1	**8.1**	3.8
PHY339WRF	**1347**	43.59	1.15	82.4	28.5	8.0	8.7	4.0
M13R352B2R2	**1344**	**48.50**	1.14	82.5	28.7	7.2	8.4	4.5
DGCT14515	**1342**	46.13	1.13	81.9	29.1	7.5	9.2	4.6
CG3787	**1341**	45.95	1.14	82.7	29.0	**8.3**	**8.0**	4.4
M12R224B2R2	**1337**	44.21	1.12	**83.5**	27.4	7.5	**8.2**	4.2
NG5315B2RF	**1321**	45.88	1.09	**83.4**	28.2	**9.1**	8.9	4.5
FM1944GLB2	**1320**	40.78	**1.20**	**83.3**	**29.5**	6.2	**8.0**	4.2
ST6448GLB2	**1301**	41.34	1.16	82.1	27.6	6.7	8.9	4.3
DP1137B2RF	**1300**	46.36	1.09	82.4	28.4	8.0	9.3	4.5
DP1321B2RF	**1298**	42.79	1.14	**83.6**	**30.0**	**8.4**	**7.2**	4.7
ST5288B2F	**1286**	42.25	1.12	81.9	27.7	8.1	8.9	4.6
PX300310WRF	**1278**	44.60	1.09	81.7	28.5	**8.6**	9.1	4.3
ST5289GLT	**1266**	41.49	1.14	81.8	27.7	7.8	9.4	4.1
PHY333WRF	**1259**	44.13	1.17	**83.2**	27.3	7.2	8.6	4.0
ST6182GLT	**1257**	**48.53**	1.15	**83.1**	28.3	7.5	**8.1**	4.2
PHY499WRF	**1251**	45.53	1.11	**83.4**	**30.3**	8.1	8.4	4.3
PX554057WRF	1249	42.90	**1.19**	**83.8**	28.5	7.1	**8.0**	3.8
PHY427WRF	1241	42.23	1.12	82.6	**29.2**	**8.4**	9.0	4.0
BX1535GLT	1239	41.17	1.18	**82.9**	28.7	6.5	8.5	4.0
PX37508W3RF	1235	44.56	1.14	82.7	28.4	6.5	**7.7**	3.9
PX444413WRF	1234	45.81	**1.21**	**83.3**	27.9	7.3	8.4	**3.6**
BX1536GLT	1232	44.30	1.11	**83.2**	**29.8**	6.7	**7.8**	4.1
NG1511B2RF	1218	44.89	1.12	81.9	28.3	**8.8**	8.5	4.6
PX554010WRF	1209	44.54	1.14	**83.8**	**30.1**	6.9	8.4	3.9
BX1532GLT	1205	**48.29**	1.13	**82.9**	27.3	7.5	8.5	4.2
PX3122B51WRF	1198	43.87	1.17	**84.3**	29.0	6.6	**7.8**	4.0
PX37520	1197	44.30	1.10	82.0	26.0	8.1	9.5	3.9
PX554063WRF	1193	45.54	1.16	**83.2**	**29.8**	6.8	8.4	3.9
PX49907W3RF	1168	46.09	1.13	**82.9**	**29.2**	**8.2**	**8.1**	4.2
SSGUA222	1154	42.79	1.17	**83.7**	**29.9**	**9.1**	**7.5**	4.3
PHY495W3RF	1124	46.00	1.11	**83.1**	28.7	**8.3**	8.5	4.3
PX49936W3RF	1096	47.02	1.11	82.0	28.2	**8.4**	8.8	4.2
SSGHQ210CT	1089	41.60	1.12	**83.2**	**29.6**	6.9	**8.3**	4.7
DG2355	1077	40.67	1.13	**83.2**	**29.2**	8.1	8.4	4.2
AllTexNitro	953	44.08	**1.18**	82.5	**29.2**	7.4	8.7	3.8
Overall Mean	1273	44.25	1.14	82.8	28.6	7.7	8.4	4.2
LSD(0.05)	241	1.00	0.03	1.4	1.6	1.0	1.1	0.2
C.V.(%)	16	1.9	2.1	1.1	3.8	8.7	9.0	2.9

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.

Table 5. Yield performance and fiber characteristics of cotton varieties cultivated on an irrigated clay at the Red River Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
PHY333WRF	**1789**	**43.03**	1.16	**84.2**	30.4	7.1	8.0	4.8
PHY499WRF	**1643**	**43.70**	1.13	**84.8**	**33.6**	**8.2**	7.5	5.0
PX3122B51WRF	**1639**	39.92	1.16	**85.4**	32.5	7.0	**7.2**	4.6
PX49936W3RF	**1519**	38.59	1.11	84.2	**33.6**	**8.1**	7.5	4.6
PHY495W3RF	**1505**	40.76	1.10	84.2	**34.4**	**8.2**	7.6	4.7
PX49907W3RF	**1491**	**41.09**	1.13	83.4	32.9	**8.1**	8.1	4.6
PX554063WRF	1449	**41.69**	1.15	**84.6**	**33.2**	7.0	**7.1**	4.7
PX37520	1446	39.83	1.12	82.7	28.5	7.5	9.3	**4.4**
ST6182GLT	1412	**42.60**	1.15	83.7	29.4	7.2	7.6	5.0
BX1532GLT	1408	**43.46**	1.17	83.4	30.0	7.2	**7.1**	4.9
FM1944GLB2	1391	38.92	**1.18**	**85.2**	30.7	5.9	**7.2**	4.8
NG5315B2RF	1361	40.40	**1.18**	**84.9**	32.5	**8.6**	**6.8**	4.9
AllTexNitro	1356	37.00	**1.20**	**84.7**	**34.7**	7.3	**6.7**	**4.3**
ST4747GLB2	1341	39.04	1.14	82.7	27.9	6.5	9.2	4.6
PX554010WRF	1340	40.56	1.16	83.8	31.1	7.7	7.6	4.6
PX554057WRF	1335	39.24	**1.19**	**85.1**	32.4	6.9	**6.7**	4.8
PX37508W3RF	1323	38.82	1.14	83.7	30.8	6.2	7.9	**4.4**
ST6448GLB2	1322	37.60	**1.20**	84.1	29.5	5.6	**7.4**	4.8
DP1311B2RF	1317	**41.90**	1.14	83.6	31.7	**8.0**	7.7	4.9
NG1511B2RF	1307	40.74	1.10	83.8	**33.2**	**8.0**	**7.5**	5.0
CG3787	1292	40.96	1.17	**84.5**	31.7	**8.1**	**7.1**	4.9
ST5288B2F	1291	38.58	1.12	83.8	30.6	7.5	7.9	5.2
ST5032GLT	1287	40.29	1.16	83.6	32.3	7.6	7.8	**4.3**
DG2285	1279	38.91	1.14	84.1	31.1	7.6	7.5	4.7
DP1133B2RF	1272	38.85	1.14	**84.8**	33.1	7.2	**7.1**	5.1
ST5289GLT	1271	39.03	1.12	83.2	29.6	6.9	8.4	4.8
BX1536GLT	1271	38.86	1.12	**84.5**	**33.7**	6.5	**7.1**	**4.6**
PHY427WRF	1241	38.23	1.12	84.0	32.3	**7.9**	7.9	4.8
DP1321B2RF	1234	39.16	1.16	**84.4**	33.0	**8.5**	**7.0**	4.8
BX1531GLT	1227	**43.05**	1.16	84.2	30.9	7.2	**7.1**	5.1
BX1533GLT	1211	38.04	**1.19**	83.8	**34.4**	7.4	**7.1**	4.7
PX444413WRF	1198	40.71	**1.20**	**84.9**	32.3	6.9	**7.2**	**4.5**
ST4946GLB2	1195	37.30	1.14	84.0	**34.0**	7.3	**7.0**	4.8
PHY339WRF	1188	39.17	**1.19**	**84.7**	32.5	7.8	**7.0**	4.7
BX1535GLT	1188	37.56	**1.21**	**84.6**	32.2	5.8	**6.9**	4.8
PX300310WRF	1186	37.87	1.12	83.6	32.4	7.3	8.1	4.9
M12R224B2R2	1184	39.74	1.12	83.9	30.8	6.9	8.2	4.7
DP1137B2RF	1183	39.70	1.15	84.1	30.9	7.5	**7.4**	4.9
DP0912B2RF	1167	36.69	1.12	84.0	31.7	7.4	**7.2**	5.1
M13R352B2R2	1150	**41.87**	**1.19**	**85.5**	**33.3**	7.2	**6.7**	4.9
DG2355	1075	38.57	1.13	84.2	32.5	7.7	**7.4**	4.7
ST5115GLT	1007	38.30	1.14	83.8	**33.5**	7.3	**7.4**	4.8
SSGHQ210CT	980	38.15	1.12	84.1	**33.3**	7.7	8.0	4.9
SSGUA222	814	40.29	**1.22**	**84.5**	**33.5**	**8.3**	**6.8**	4.9
DGCT14515	798	39.28	**1.19**	**84.5**	32.3	7.7	**7.0**	5.0
Overall Mean	1287	39.73	1.15	84.2	32.0	7.4	7.5	4.8
LSD(0.05)	327	2.62	0.04	1.2	1.5	0.8	0.8	0.3
C.V.(%)	20.1	5.3	2.4	1.1	3.4	7.8	8.0	4.0

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.

Table 6. Yield performance and fiber characteristics of cotton varieties cultivated on an irrigated silt loam at the Red River Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
PX554010WRF	**2104**	**43.35**	1.14	**83.8**	31.0	7.2	8.1	4.4
PX49907W3RF	**2034**	**42.97**	1.11	83.7	**32.2**	7.6	8.7	4.5
PHY495W3RF	**1929**	41.31	1.10	83.7	**32.9**	**7.8**	**7.8**	4.7
PX49936W3RF	**1879**	**43.49**	1.11	83.6	**32.0**	7.4	8.1	4.4
ST5288B2F	**1858**	41.45	1.13	**83.8**	29.4	7.1	**7.8**	5.0
PX554057WRF	1767	40.96	1.17	83.2	30.3	7.0	8.2	4.4
PHY427WRF	1749	**44.33**	1.13	83.4	**31.7**	7.6	8.3	**4.3**
PX444413WRF	1734	41.26	**1.23**	**84.9**	30.6	7.0	**7.2**	**4.3**
PX554063WRF	1730	41.60	1.18	**84.4**	**32.5**	6.1	**7.3**	4.4
PX3122B51WRF	1725	41.79	1.16	**83.8**	29.3	**7.9**	**7.9**	4.6
ST6182GLT	1725	**44.75**	1.13	83.8	29.6	6.8	8.2	4.8
PHY333WRF	1721	40.96	1.15	83.6	30.2	7.0	8.5	4.6
PHY499WRF	1712	40.04	1.12	**84.4**	**31.9**	**7.9**	**7.6**	4.9
ST4747GLB2	1703	39.07	1.16	82.9	27.2	6.2	8.7	4.6
CG3787	1680	41.13	1.14	**84.1**	30.4	**8.6**	**7.6**	4.9
FM1944GLB2	1660	36.79	1.18	83.2	29.8	6.0	8.6	4.5
NG5315B2RF	1658	41.74	1.13	**84.5**	31.3	**7.9**	**7.7**	5.0
PX300310WRF	1654	39.48	1.11	83.0	30.5	**8.2**	8.4	4.7
PX37508W3RF	1653	39.21	1.11	83.1	28.4	**8.0**	8.7	**4.1**
PHY339WRF	1645	39.71	1.17	**83.8**	31.5	7.3	**7.5**	4.4
DGCT14515	1639	38.32	1.16	83.7	31.5	7.5	**7.9**	4.7
NG1511B2RF	1624	40.34	1.13	83.3	31.2	**8.6**	**7.5**	5.0
DP1133B2RF	1598	40.16	1.15	**84.3**	**32.7**	**7.7**	**7.2**	4.9
DG2285	1597	37.89	1.15	**84.0**	29.4	**8.1**	**7.6**	4.6
M12R224B2R2	1587	40.04	1.12	83.0	28.3	**7.8**	8.8	4.5
DP1311B2RF	1575	39.58	1.14	83.7	30.0	**8.0**	**7.9**	4.8
PX37520	1559	40.00	1.10	82.8	28.0	7.6	9.4	4.4
DG2355	1556	40.76	1.12	83.4	**32.0**	7.3	8.2	4.7
AllTexNitro	1555	36.55	**1.20**	**84.5**	**32.8**	**7.8**	**7.0**	**4.3**
ST5115GLT	1549	38.70	1.12	82.9	30.9	6.5	8.5	4.8
DP1321B2RF	1539	37.30	1.14	83.8	**31.7**	**8.2**	**7.4**	4.9
ST5289GLT	1522	39.32	1.13	83.4	28.7	6.6	8.1	4.7
DP0912B2RF	1522	37.24	1.12	83.4	30.3	7.3	**7.9**	5.0
BX1532GLT	1511	**42.51**	1.12	82.6	28.1	7.6	9.2	4.7
BX1535GLT	1497	38.38	1.17	**83.9**	31.2	6.2	**7.7**	4.6
ST5032GLT	1496	39.30	1.16	83.0	31.3	7.2	8.4	**4.3**
DP1137B2RF	1492	38.37	1.13	83.2	29.6	**8.2**	8.2	4.9
ST4946GLB2	1488	39.85	1.13	83.7	**32.3**	7.3	**7.9**	4.6
BX1536GLT	1434	38.10	1.12	83.3	**32.2**	6.1	**7.7**	4.4
BX1531GLT	1416	41.28	1.13	83.4	30.0	7.3	8.4	5.0
BX1533GLT	1401	38.69	1.19	**84.0**	**33.1**	7.3	**7.6**	4.7
M13R352B2R2	1355	39.93	1.15	**84.4**	**32.9**	7.2	**7.8**	4.8
SSGUA222	1355	40.17	1.19	**84.5**	**32.1**	**8.4**	**7.2**	4.9
ST6448GLB2	1292	35.70	1.18	**84.1**	29.2	6.2	8.0	4.8
SSGHQ210CT	1033	37.74	1.12	**84.4**	**32.5**	6.8	**7.6**	5.2
Overall Mean	1611	40.04	1.14	83.7	30.8	7.4	8.0	4.6
LSD(0.05)	318	2.69	0.04	1.15	1.53	0.94	0.94	0.25
C.V.(%)	17.3	5.9	2.3	1.0	3.5	9.3	8.4	3.8

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.

Table 7. Yield performance and fiber characteristics of cotton varieties cultivated on an irrigated Sharkey clay at the Northeast Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
PX49907W3RF	**1768**	46.85	1.12	83.8	**32.2**	7.7	8.0	4.9
PX3122B51WRF	**1759**	45.41	1.17	**84.6**	30.5	7.4	**7.2**	4.8
PX554010WRF	**1697**	**49.51**	1.14	84.0	30.9	7.0	**7.3**	4.6
PX444413WRF	**1689**	47.18	**1.25**	**85.6**	30.7	6.8	**7.0**	**4.2**
PX49936W3RF	**1673**	47.16	1.10	84.4	**32.9**	7.7	8.0	4.9
PX554063WRF	**1669**	**49.52**	1.15	84.1	31.3	7.0	**7.5**	4.6
PX37520	**1646**	44.66	1.11	82.9	27.4	7.5	8.8	4.6
ST4946GLB2	**1642**	44.42	1.13	**84.4**	31.7	7.8	**7.2**	5.1
PHY333WRF	**1629**	45.61	1.18	84.1	30.0	6.7	**7.6**	4.7
M12R224B2R2	**1589**	45.10	1.14	83.9	29.5	6.8	**7.8**	4.7
DP0912B2RF	**1586**	44.64	1.09	83.4	30.4	7.2	8.4	5.4
PHY495W3RF	**1568**	45.34	1.12	**84.7**	**33.3**	7.7	**7.5**	4.9
PX554057WRF	**1534**	45.45	1.19	**84.6**	31.2	6.8	**7.0**	4.6
PHY499WRF	**1531**	46.96	1.14	84.4	**32.9**	7.7	**7.2**	5.1
ST4747GLB2	**1508**	45.72	1.16	82.3	27.2	5.9	9.2	4.8
PX37508W3RF	1492	44.52	1.16	84.2	28.8	6.7	**7.3**	4.5
DP1133B2RF	1480	46.83	1.16	83.7	31.9	7.6	**7.3**	5.0
PHY427WRF	1470	44.13	1.12	**84.5**	30.2	**8.3**	**7.6**	4.8
DG2285	1467	44.96	1.16	84.0	29.4	**8.6**	**7.4**	4.7
DP1321B2RF	1455	45.20	1.13	84.2	31.4	**9.0**	**7.7**	5.2
PHY339WRF	1438	45.21	1.18	84.1	30.4	7.2	**7.1**	4.8
M13R352B2R2	1407	49.27	1.15	83.2	31.5	7.0	8.4	5.0
DP1311B2RF	1407	46.68	1.13	83.2	29.7	8.1	7.9	4.9
ST5032GLT	1402	42.37	1.19	83.2	30.3	7.2	**7.8**	4.5
NG1511B2RF	1400	47.06	1.11	84.0	31.3	**8.8**	**7.4**	5.0
BX1533GLT	1397	44.14	1.19	84.1	**32.2**	7.7	**7.7**	4.9
DGCT14515	1383	45.73	1.15	83.0	30.4	7.7	8.2	5.0
NG5315B2RF	1375	46.48	1.15	83.9	30.2	**8.4**	**7.6**	5.0
BX1531GLT	1371	49.26	1.15	83.3	28.6	7.4	7.9	5.0
DP1137B2RF	1371	46.33	1.13	83.8	29.4	7.7	7.9	5.0
BX1532GLT	1365	**50.25**	1.15	83.5	28.3	7.4	**7.8**	4.9
PX300310WRF	1355	47.42	1.09	82.8	29.7	7.7	8.5	5.3
ST5288B2F	1352	45.14	1.13	83.2	28.6	7.3	8.0	5.2
SSGUA222	1339	43.27	1.18	84.2	31.7	8.2	**7.3**	5.0
ST5115GLT	1338	44.28	1.14	83.1	31.2	6.7	8.0	4.6
ST6448GLB2	1281	44.21	1.18	82.7	28.6	6.4	8.4	5.0
ST5289GLT	1276	44.22	1.12	82.9	28.1	7.2	8.4	4.9
FM1944GLB2	1261	43.13	1.18	83.2	29.2	5.8	8.0	4.9
AllTexNitro	1243	43.76	1.21	83.4	31.7	7.1	**7.1**	**4.4**
DG2355	1224	40.83	1.14	84.0	**32.0**	7.9	**7.2**	4.6
BX1535GLT	1213	41.67	**1.23**	83.6	31.3	5.6	**6.9**	4.7
BX1536GLT	1211	45.10	1.15	83.7	30.6	6.5	**6.9**	4.7
CG3787	1177	46.82	1.14	84.4	29.5	**8.4**	**7.4**	5.0
SSGHQ210CT	1059	42.72	1.11	83.4	31.1	6.4	8.2	5.5
Overall Mean	1444	45.56	1.15	83.8	30.4	7.3	7.7	4.8
LSD(0.05)	272	0.76	0.04	1.2	1.4	0.8	1.0	0.2
C.V.(%)	16.4	1.2	2.2	1.0	3.2	7.6	9.2	3.2

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.

Table 8. Yield performance and fiber characteristics of cotton varieties cultivated on an irrigated Gigger silt loam at the Macon Ridge Research Station during 2014.

Variety	Lint yield	Lint %	Length	Uniformity	Strength	Elongation	Short fiber index	Micronaire
	(pounds/acre)	(%)	(inches)	(%)	(g/tex)			
M13R352B2R2	**1842**	**50.18**	1.14	83.2	**31.4**	7.3	**7.9**	4.4
PHY495W3RF	**1828**	47.44	1.10	**84.8**	**31.7**	8.2	**7.3**	4.2
PX49907W3RF	**1795**	48.02	1.13	83.1	30.9	8.1	8.4	4.3
ST4747GLB2	**1778**	46.59	1.15	82.5	26.4	6.4	9.1	4.4
BX1532GLT	**1745**	**50.44**	1.13	83.3	28.2	6.8	8.6	4.4
ST6182GLT	**1740**	**49.27**	1.12	83.1	28.2	**8.6**	8.2	4.4
PX300310WRF	**1740**	**50.03**	1.08	83.1	29.4	7.9	8.2	4.5
CG3787	**1735**	46.99	1.14	**84.0**	29.7	**9.1**	**7.7**	4.6
PX49936W3RF	**1731**	47.59	1.11	83.3	**31.9**	8.2	8.3	4.5
DP1311B2RF	**1720**	48.89	1.11	82.7	28.3	**8.8**	9.0	4.5
PX554057WRF	**1715**	47.02	1.18	**84.3**	29.1	7.5	**7.5**	4.1
DP0912B2RF	**1711**	44.82	1.10	83.1	29.8	7.8	8.3	5.0
DP1321B2RF	**1702**	47.08	1.13	**83.7**	30.0	**8.8**	**7.0**	4.9
PHY499WRF	**1699**	46.78	1.12	**84.7**	**32.7**	**8.4**	**7.5**	4.5
DP1137B2RF	**1683**	47.12	1.11	**83.7**	29.5	7.9	8.2	4.7
BX1531GLT	**1682**	**49.67**	1.11	82.9	28.4	7.9	9.0	4.3
ST6448GLB2	**1680**	46.27	1.18	83.2	28.1	6.6	8.0	4.4
PHY339WRF	**1675**	47.16	1.16	**83.9**	30.1	7.9	**7.7**	4.2
PX3122B51WRF	**1668**	47.05	1.16	**83.8**	29.9	7.4	**7.6**	4.3
DGCT14515	**1666**	46.64	1.13	**83.8**	30.4	8.1	**7.8**	4.4
PX554063WRF	**1665**	47.86	1.17	**83.9**	**31.6**	6.3	**7.5**	4.3
PHY333WRF	**1660**	47.60	1.17	83.1	27.3	7.3	**8.0**	4.3
PX37508W3RF	**1652**	44.63	1.12	**83.8**	28.7	7.2	8.4	**4.1**
DP1133B2RF	**1647**	46.98	1.14	**84.6**	31.1	8.0	**7.0**	4.6
ST5288B2F	1622	45.04	1.11	82.9	27.4	7.7	8.7	4.7
PX37520	1620	45.33	1.10	82.8	26.8	**8.5**	9.4	4.1
M12R224B2R2	1600	44.14	1.14	**83.8**	28.5	7.4	**7.9**	4.2
NG5315B2RF	1589	47.47	1.14	**83.9**	30.8	**8.6**	**7.6**	4.5
PX554010WRF	1584	48.57	1.14	**83.7**	29.2	7.3	**7.6**	4.3
PX444413WRF	1578	48.55	**1.22**	**84.8**	29.6	7.4	**7.3**	**3.9**
ST5115GLT	1568	44.74	1.13	82.8	29.7	7.4	8.4	**4.1**
BX1536GLT	1559	45.49	1.13	**83.7**	31.0	6.9	**7.6**	4.1
FM1944GLB2	1546	43.06	1.17	83.5	28.5	6.4	8.4	4.2
ST4946GLB2	1546	45.18	1.11	**84.4**	30.8	8.0	**7.6**	4.7
NG1511B2RF	1531	46.98	1.10	**83.6**	30.8	**9.1**	**7.9**	4.9
BX1533GLT	1522	46.83	1.17	82.6	**32.1**	7.4	8.4	4.2
ST5289GLT	1521	44.00	1.12	83.2	28.1	6.8	8.4	4.4
DG2355	1508	43.13	1.14	83.4	29.4	8.0	8.3	4.3
DG2285	1505	45.04	1.14	**84.2**	28.2	**8.7**	8.1	4.5
ST5032GLT	1488	43.39	**1.19**	83.4	28.5	**8.6**	8.3	**3.9**
PHY427WRF	1470	44.87	1.12	**83.8**	**31.3**	7.9	**7.9**	**4.1**
AllTexNitro	1459	43.24	1.17	**84.0**	**31.7**	7.5	**7.0**	**3.8**
BX1535GLT	1287	43.44	1.17	83.5	29.6	6.1	**7.5**	**4.1**
SSGHQ210CT	1001	43.83	1.13	83.5	**31.6**	6.7	**7.7**	4.9
SSGUA222	804	44.19	1.18	**83.8**	**31.3**	**8.5**	**7.3**	4.7
Overall Mean	1601	46.41	1.14	83.6	29.7	7.7	8.0	4.4
LSD(0.05)	200	1.23	0.03	1.2	1.5	0.8	1.0	0.3
C.V.(%)	10.9	2.3	2.0	1.0	3.5	7.3	9.1	4.2

Numbers in bold type and shaded within a column are not significantly different from the numerically greatest value.